

SECTION 2 Input and Output Devices

Recommended Prior Knowledge Students will require basic experience of using a desktop computer. This includes the use of a mouse, keyboard, monitor and printer. They should know how to save files of information. They should have studied all the points in Section 1.

Context This section should be the second studied by the students.

Outline This section describes the input and output devices which would be met by a student in studying a variety of IT systems and applications.

section	Learning Outcomes	Suggested Teaching Activities	Online Resources	Other resources
2a	Identify the following input devices: keyboards, <ul style="list-style-type: none"> • numeric keypads, • pointing devices (including mouse, touch pad and tracker ball), • remote controls, • joysticks, • magnetic stripe readers, • scanners, • digital cameras, • microphones, • sensors, • graphics tablet, • MICR, • OMR, • OCR, • barcode readers, • video cameras, • web cams, • light pens. 	Have as many of the devices available as possible to demonstrate these.	http://www.jegsworks.com/Lessons/lesson3/lesson3-1.htm http://www.bbc.co.uk/schools/gcsebitesize/ict/hardware/0inputandoutputdevicesrev2.shtml	(Sargent, & Walmsley, 2003, Chpts 2 & 14) (Leadbetter, & Wainwright, 2004, 13.3)
2b	Identify suitable uses of the above input devices:	Try to demonstrate the use of each of the devices. In particular show examples of documents which make use of MICR, OCR, OMR etc.	http://www.jegsworks.com/Lessons/lesson3/lesson3-1.htm http://www.bbc.co.uk/schools/gcsebitesize/ict/hardware/0inputandoutputdevicesrev2.shtml	(Sargent, & Walmsley, 2003, Chpts 2 & 14) (Leadbetter, & Wainwright, 2004, 13.3) CIE Information Technology 0418 Syllabus Document

section	Learning Outcomes	Suggested Teaching Activities	Online Resources	Other resources
2c	Identify the following output devices: <ul style="list-style-type: none"> • monitors (CRT, TFT), • printers (laser, ink jet and dot matrix), plotters, • speakers, • control devices – motors, • buzzers, • lights, • heaters • 	Have as many of the devices available as possible to demonstrate these.	http://www.jegsworks.com/Lessons/lesson5/lesson5-3.htm http://www.bbc.co.uk/schools/gcsebitesize/ict/hardware/0inputandoutputdevicesrev3.shtml	(Leadbetter, & Wainwright, 2004, 13.4) (Sargent, & Walmsley, 2003, Chapter 2)
2d	Identify suitable uses of the above output devices:	Try to demonstrate the use of each of the devices.	http://www.jegsworks.com/Lessons/lesson5/lesson5-3.htm http://www.jegsworks.com/Lessons/lesson5/lesson5-5.htm http://www.bbc.co.uk/schools/gcsebitesize/ict/hardware/0inputandoutputdevicesrev3.shtml	(Leadbetter, & Wainwright, 2004, 13.4) (Sargent, & Walmsley, 2003, Chapter 2) CIE Information Technology 0418 Syllabus Document